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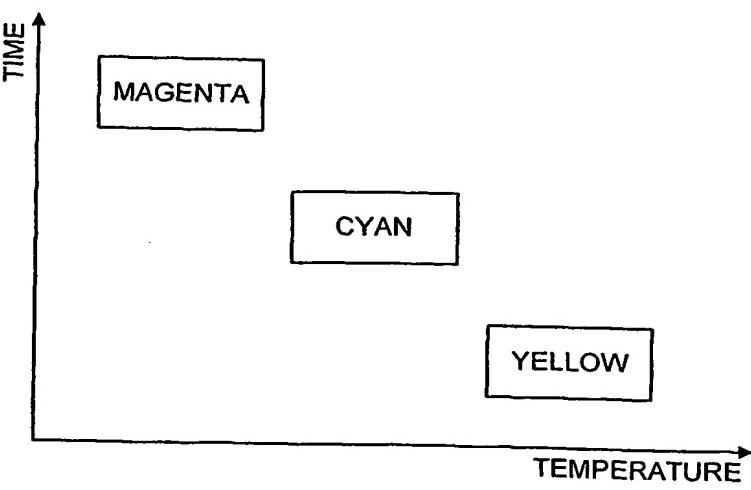
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— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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(54) Title: TWO-DIMENSIONAL TRANSDUCER ARRAYS WITH BEAM CONTROLLING FOR IMPROVED FIELD OF VIEW



(57) Abstract: A method and system for using two-dimensional transducer arrays for improving the field of view during an ultrasonic examination are disclosed. The ultrasonic imaging system includes a two-dimensional transducer array (210) with a plurality of acoustic elements (212), a beam controller (240), a signal processor (250), and a display (260). The beam controller controls a generated acoustic beam (230) capable of being advanced longitudinally or laterally along the two-dimensional transducer array. Additionally, the generated acoustic beam is capable of being phase-shifted by the beam controller. Combining the phase shifting of and advancement of the acoustic beam increases the field of view of the two-dimensional array.



— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*

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